

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A sealer gun comprising:

a trigger;

a needle valve; ~~and~~

a valve seat; and

a controlling member,

wherein the needle valve is moved backward by predetermined strokes by operating the trigger so as to form a gap between the valve seat and the needle valve, so that a sealer is spouted from the gap, ~~and~~

wherein the sealer gun further comprises a tapered portion having a tapered end that is provided at a tip of the needle valve, and a ball portion to be brought into contact with or be separated from the valve seat that is provided at a back of the tapered portion, and

wherein the controlling member is adapted to control the moving-backward stroke of the needle valve so as to limit a maximum size of the gap formed between the valve seat and the needle valve, wherein the controlling member is operable to change the maximum size of the gap.

2. (Previously Presented) The sealer gun according to claim 1, wherein the sealer gun further comprises an orifice member for reducing an area of flow provided in a sealer passage downstream of the valve seat.

3 – 4 (Cancelled)

5. (New) The sealer gun according to claim 1, further comprising a biasing member that biases the ball portion of the needle valve toward the valve seat.

6. (New) The sealer gun according to claim 5,
wherein the needle valve has a large diameter portion at an end opposed to the tip of the needle valve, the trigger is substantially L-shaped having a long handle portion and a short pressing portion and is pivotally affixed to a body of the sealer gun at an intersection of the long handle portion and the short pressing portion, and
wherein the short pressing portion presses and moves the large diameter portion of the needle valve backward away from the valve seat when the long handle portion of the trigger is squeezed.

7. (New) The sealer gun according to claim 6, wherein the controlling member includes a stopper movable backward away from the valve seat and forward toward the valve seat, and is disposed so as to limit backward movement of the large diameter portion of the needle valve.

8. (New) The sealer gun according to claim 7, wherein the controlling

member comprises:

an adjusting knob;

a case defining a threaded circular opening and stationarily mounted relative to the valve seat; and

a position adjusting member having the stopper disposed on a forward end thereof so as to selectively contact the short pressing portion of the trigger when the trigger is squeezed,

wherein the position adjusting member is in threaded engagement with and passes through the threaded circular opening defined in the case, with the adjusting knob secured to a backward end of the position adjusting member, and

wherein the adjusting knob is secured to the position adjusting member so as to integrally rotate with the position adjusting member, thereby effecting a lateral movement of the position adjusting member relative to the case.

9. (New) The sealer gun according to claim 8, wherein the case includes a positioning ball biased toward and into contact with the position adjusting member, and

wherein the position adjusting member defines a plurality of axial grooves extending in a forward-backward direction, said grooves being sized so as to receive the positioning ball.